

**\*BEGINNING OF THE 4<sup>TH</sup> MARKING PERIOD = FRESH START\***  
**YOU'RE 3/16 FINISHED WITH HIGH SCHOOL!**

**Agenda for Week of April 11, 2011**

**Classroom Character Theme:** \_\_\_\_\_

**Guiding Questions:**

- 1) What can travel through empty space? What cannot?
- 2) Why does an ambulance sound different as it drives by??



Date	Learning Goal	Vocabulary	Homework
Mon, 4/11	Define the basic aspects of a "wave" and explain which type of waves do not need a medium.	Medium Mechanical Wave Electromagnetic wave Transverse wave Longitudinal (compressional) wave	(1) Word search puzzle <b>(2) Bring your textbook to class tomorrow!</b>
Tues, 4/12	Calculate speed, frequency and wavelengths of waves. *I am taking my Environmental Science classes on a field trip. Mr. Shaffer will be back – this is an opportunity to show him that you CAN act like mature, respectful young adults. Don't disappoint me or else you will be excluded from the Physical Science field trip in May*	Crest Trough Amplitude Wavelength Period Frequency	(1) None
Wed, 4/13	Calculate speed, frequency and wavelengths of waves.	Wave speed equation: speed = Seismic waves (see the margin!)	(1) Practice problems (worksheet)
Thurs, 4/14	Explain the sound of a passing siren using waves.	Doppler Effect	(1) Vocabulary list (_____ words)
Fri, 4/15	Scientific Mystery: Explain that light can act as a particle or as a wave.	Reflection Diffraction refraction Interference (constructive & destructive)	Compliment 3 people per day during break!

**REMINDERS**

- 1) Check your grade using the new online system for the class: **www.Engrade.com/student** and use the username and password you chose during class. **Tell your parents that they can register, too!**
- 2) **Be prepared:** Bring your binder and calculator every day.
- 3) Stay for **tutoring** on Mon and Thurs from 2:45 – 3:30pm.

***RISE TO THE CHALLENGE!***